Check List 9(2): 425–426, 2013
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ISSN 1809-127X (available at *www.checklist.org.br*)

Check List
Journal of species lists and distribution

NOTES ON GEOGRAPHIC DISTRIBUTION

Range extension of *Rhacophorus dulitensis* Boulenger, 1892 (Amphibia: Anura: Rhacophoridae) in western Borneo

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ABSTRACT: We report on a record of *Rhacophorus dulitensis* from Kubah National Park in western Sarawak. The new record extends the known geographical range of the species 300 km to the west.

Rhacophorus dulitensis is endemic to Borneo, the largest of the Southeast Asian Greater Sunda Islands, where it occurs in primary lowland forest at elevations below 600 m a.s.l. (Harvey *et al*. 2002; Malkmus *et al*. 2002). Although not a rare species, it is seldom encountered because it lives in the canopy layer of forests and only descends to lower vegetation in order to breed (Dehling 2011).

Rhacophorus dulitensis has a scattered distribution in central and northern Borneo. Originally described from Mt. Dulit in eastern Sarawak (3°25' N, 114°00' E), it has since been recorded from several localities in central and eastern Sarawak, Brunei Darussalam, Sabah, and East Kalimantan (Boulenger 1892; Inger *et al*. 2004; Inger and Stuebing 2005; Das 2007; Figure 1). On 22 September 2009, we collected a female specimen of *Rhacophorus dulitensis* (Figure 2) in Kubah National Park (1°36'24.77" N, 110°11'29.79" E; *ca*. 300 m a.s.l.), Kuching Division, Sarawak. It was found perched on a twig in the top of a small tree, about 5 m above the ground, at 21:15 h. We assigned the specimen to *Rhacophorus dulitensis* for showing the following diagnostic characters (Boulenger 1892; Inger and Stuebing 2005; Figure 2): Toes except first webbed to disc; preaxial side of fourth finger webbed to disc; dorsum light green, almost transparent; upper eyelids pigmented reddish brown; distal portion of webbing between fourth and fifth toe red; snout pointed; canthus rostralis very sharp; loreal region vertical; extensive skin flap above vent; narrow dermal flap along postaxial edge of forearm and tarsus; limb bones turquoise green, visible through transparent ventral skin. The specimen is deposited in the collection of the Naturhistorisches Museum der Burgergemeinde Bern, Switzerland (NMBE 1056708). During a week of field work in Kubah National Park we did not encounter another specimen nor hear the advertisement call of the species. The present record of the species is the first record for both Kubah National Park and Kuching Division in Sarawak, and the first record of *R. dulitensis* from western Borneo, extending the known geographical range of the species 300 km to the west (Figure 1).

Kubah National Park is part of the Matang Range, a small mountain massif, the herpetofauna of which has been surveyed comparatively well. Including the new record, 59 species of anurans are known to occur in this area (Das *et al*. 2007; Matsui 2009; own. unpubl. data).

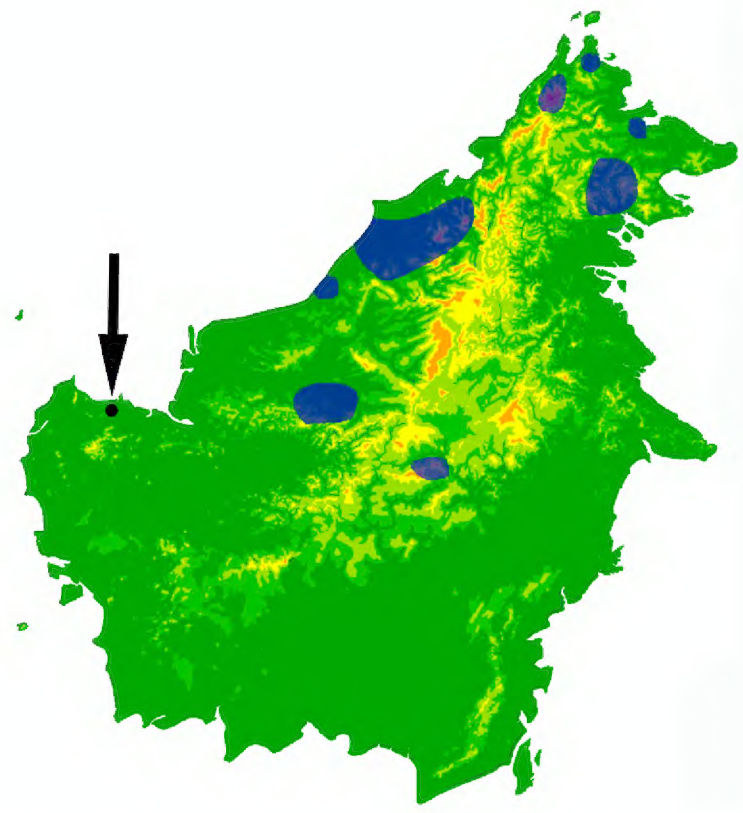

FIGURE 1. Distribution of *Rhacophorus dulitensis* on the island of Borneo with the new locality record indicated by an arrow (after Inger *et al*. 2004, own data).

FIGURE 2. Female *Rhacophorus dulitensis* (NMBE 1056708) from Kubah National Park, Sarawak, Malaysia (western Borneo).

Acknowledgments: We thank Mohd. Shabudin Sabki (Sarawak Forest Department) who kindly assisted in obtaining permits to conduct research on amphibians in Kubah National Park (No. NPW.907.4.2(IV)-2, dated 14.01.2009) and to export collected specimens (No. 08575, dated 02.09.2009).

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Received: December 2011
Accepted: October 2012
Published online: May 2013
Editorial responsibility: Olivier S. G. Pauwels